

Abstract

This invention relates to the laminated material for food packaging, and its manufacturing process. The laminated material (10) consists of the quality keeping intermediate layer (12) laminated inside the paper core layer (11) and the core layer and the heat sealable innermost layer (13). The quality keeping intermediate layer comprises of an extrusion coatable blend polymer consisting of polymer component A 50-95% of nylon-MXD6 or EVOH and, polymer component B 5-50% of nylon 6, nylon 6, the blends or PET. The quality keeping intermediate layer is extruded and laminated directly in the core layer, the innermost layer contains at least the linear low density polyethylene which has a narrow molecular weight distribution, and has the properties parameter of mean density of 0.910-0.925, 100 - 122 degrees C peak melting point, melt flow index of 5-20, swelling ratio (SR) of 1.4-1.6, and 5-50-micrometer layer thickness.

The hardness, production efficiency, and cost performance of the barrier packaging container formed by the packaging material are improved.